VR SERIES 4-8-16 Channel H.264 DVR's with DVD-R/W

QUICK. SIMPLE. EASY.

The New VR Series is the latest ARM line of DVR's offering H.264 recording technology. H.264 compression technology is less demanding on bandwidth than MPEG-4 DVR's and provides smooth network video transmission. The 2/3 chassis design is small on size but big on features. A new graphical user interface is simple and easy to use and optimizes set-up of the unit. Other features include a built in VGA output, motion detection, PTZ control and built-in audio recording. You can even view live video, search and playback recorded video and remotely monitor the unit via internet on your PC while simultaneously recording at the DVR. The VR Series is feature-packed with:

- Up to 240FPS High Quality Recording
- Up to 2.0TB Internal Storage
- H.264 Compression
- Triplex Operation
- VGA Video Output
- DVD-R/W & USB Archive
- Motion Detection

Quick to Set-Up, Simple to Use, Easy on Your Budget.

Monitor shown is ARM LCD1520HG with VR Remote Software. Monitor not included.

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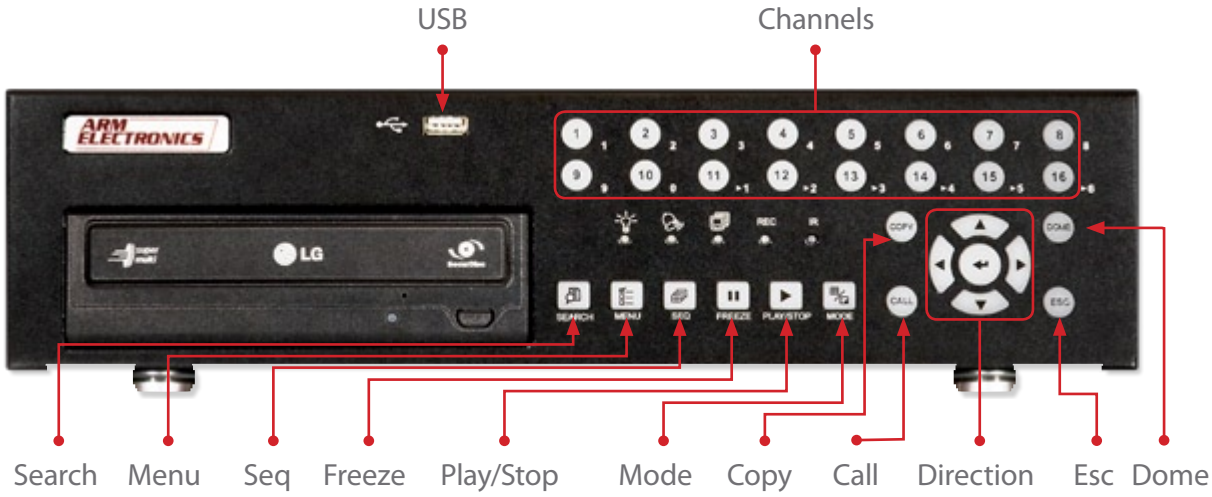
FEATURES + BENEFITS | FRONT PANEL DEFINITIONS



HIGH PERFORMANCE

Up to 240 FPS Recording
Record up to 240 FPS simultaneously across 16 channels for high quality video playback.

H.264 Compression
H.264 recording is less demanding on bandwidth and uses less disk space than MPEG-4 DVR's.

Up to 2.0TB Storage
Compatible with large disk drives for long-term storage capabilities.

Triplex Operation
View, record, playback and remotely monitor all at the same time.

Motion Detection
Maximize your storage by only recording video when motion is detected.

CONVENIENCE

Easy Archiving
Quickly offload archived video via USB 2.0 or DVD-R/W.

Backup Player
When creating DVD or USB backups, both video and player software are included allowing files to be re-played on any PC.

Built-in PTZ Control
Effortlessly control PTZ cameras without the need for external controllers.

Multiple Recording Modes
Set your DVR to record by motion, schedule, alarm or even remotely.

IR Remote Control
Control all DVR functions using the included IR remote control.

TOTAL SECURITY

Advanced Protection
Multiple passwords support various levels of user access.

Image Authentication
Recorded video contains watermarks and is therefore un-alterable.

Linux-Based OS
Embedded operating system is virtually immune to common PC based viruses.

Alarming
Integrated alarming inputs for external devices including door-locks, sirens, PIR detectors, etc.

Covert Recording
Mask a live view image on the monitor with a blank screen and still be recording video.

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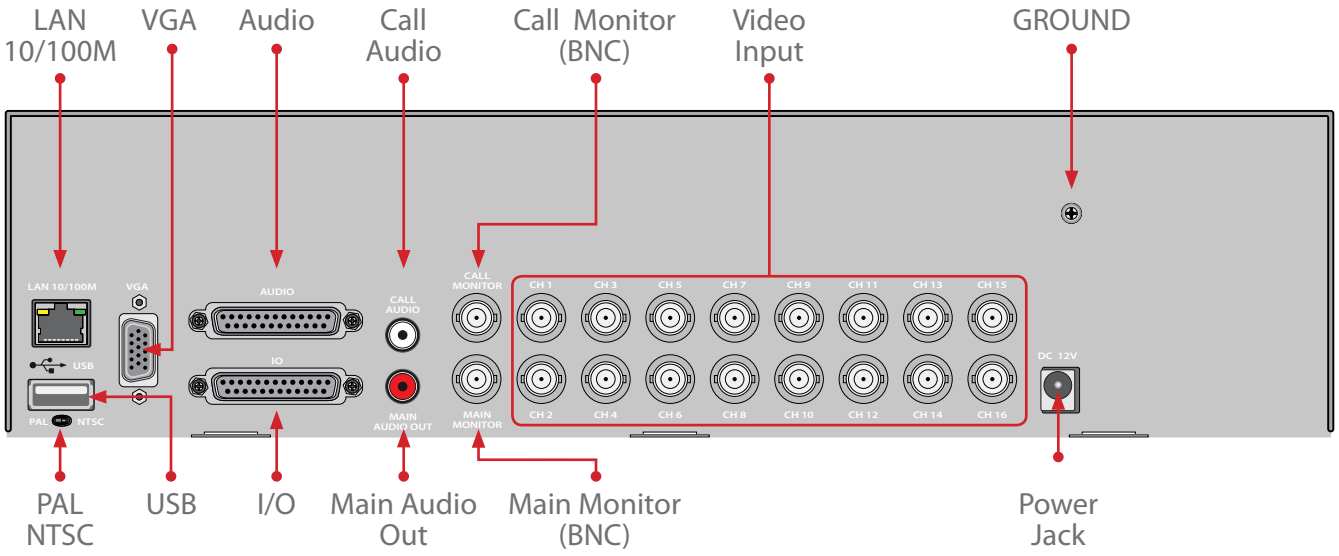
HARD DRIVE OPTIONS | REAR PANEL DEFINITIONS | ACCESSORIES

HD Size	4 Channel 120FPS	8 Channel 240FPS	16 Channel 240FPS
250GB	VR4D250	VR8D250	VR16D250
500GB	VR4D500	VR8D500	VR16D500
1.0TB	VR4D1T	VR8D1T	VR16D1T
1.5TB	VR4D15T	VR8D15T	VR16D15T
2.0TB	VR4D2T	VR8D2T	VR16D2T

**** Recommended minimum storage capacity is approx. twice the FPS recording rate.*

REAR PANEL DEFINITIONS



INCLUDED ACCESSORIES

All Units Include:

(1) Power Cord
(1) Power Supply
(1) User Manual
(1) Quick Start Manual
(1) IR Remote Control
(1) Blank DVD+R/W Disc
(2) D-sub Connectors
(1) Alarm
(1) Audio

RECOMMENDED ACCESSORIES

VC4P
Push Terminal
Mini Balun
W/4" BNC Cord

CSP1
5AMP Max Current
Coaxial Surge
Protector

LCD1720HG
17" LCD Monitor
Also Available
in 15" and 19"

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TECHNICAL SPECIFICATIONS

	SPECIFICATIONS	VR4 4-Channel	VR8 8-Channel	VR16 16-Channel
VIDEO	Operation System	Embedded (Linux)		
	Video Standard	NTSC/PAL Switch Selectable		
	Video Operation	Triplex+ (Live, Record Playback, Remote and Internet Access		
	Resolution-Live Video	720 x 480		
	Video Input	BNC x 4, 1.0Vp-p / 75ohm	BNC x 8, 1.0Vp-p / 75ohm	BNC x 16, 1.0Vp-p / 75ohm
	Outputs: Main Monitor	BNC x 1, 1.0Vp-p / 75ohm		
	Call Monitor	N/A	BNC x 1, 1.0Vp-p / 75ohm	
	Picture Refresh Rate	120FPS	240FPS	240FPS
	Display Mode	1, 4	1, 4, 9	1, 4, 9, 16
	Digital Zoom	Live View 2x		
	VGA	800 x 600, 1024 x 768, 1280 x 1024 Pixels		
	Camera Installation	Plug & Play		
AUDIO	Input	RCA x 4 Line-in	D-SUB x 8 Line-in	D-SUB x 16 Line-in
	Output	RCA x 1	RCA x 2 (1 x Main / 1 x Call)	RCA x 2 (1 x Main / 1 x Call)
	Recording Mode	Real Time Recording Synchronized w/Video		
	Compression Method	Proprietary		
	Data Rate	8Kb/s per CH		
	Operation	Remote		
	Playback	Only for Video at Original Speed		
RECORDING	Compression Method	H.264		
	Recording Mode	Schedule, Alarm, Motion Detection		
	Pre-Alarm	Yes		
	Recording Resolution/Rate	120PPS @ 360x240 (CIF)	240PPS @ 360x240 (CIF)	
		60PPS @ 720x240 (Half D1)	120PPS @ 720x240 (Half D1)	
		30PPS @ 720x480 (D1)	60PPS @ 720x480 (D1)	
	Recording Mode	5 Preset Levels		
	Image Size	1K to 20K Byte/Picture		
	Storage Mode	Linear / Circular		
PLAYBACK	Playback	Pause, Stop, Rewind, Forward, Search		
	Playback Speed Adjustment	1x, 2x, 4x, 8x, 16x, 32x		
	Retrieve	Date/Time, Event		
	Data Life Time	Yes		
STORAGE	Built-in HDD	SATA x 1		
	Built-in Storage	DVD+RW		
	Export	USB 2.0 Port x2 (Support ThumbDrive) , DVD+RW		
ALARM	Alarm Input	D-Sub x 4	D-Sub x 8	D-Sub x 16
	Alarm Relay Output	D-Sub x 1		
	Alarm Detection	N.C./N.O., Programmable		
	Motion Detection	16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable		
	Video Loss Detection	Programmable		
COMMUNICATION	Network Connectivity	Ethernet RJ-45 connector, 10/100Mbps, supports DHCP		
	Remote Control Software	Yes		
	Access Control	Up to 7 Users / 8 Authority Levels		
	Remote Operation	Monitor, Playback, Recording, System Setup, Archive		
	RS-485	D-Sub		
	IR Remote	Included		
	Dome Control Protocol	Pelco P, Pelco D, AD422, Fastrax 2, Panasonic		
GENERAL	Unit Dimension(WxHxD)	14.25" x 3.5" x 14.25"		
	Unit Weight	9.8lbs		
	Package Dimensions	18.0" x 7.5" x 19.25"		
	Package Weight	14.25lbs		
	Operation Temperature	23° ~ 104°F		
	Relative Humidity	10% ~ 90% Non-Condensing		
	Power Consumption & Input	AC 100 ~ 240V, 50-60Hz, 60W Adaptor		